

Fig. 1

**Table 1**

| <b>Relation</b> | <b>Formula</b>                      |
|-----------------|-------------------------------------|
| Linear          | $y = m(x-h) + k$                    |
| Quadratic       | $y = a(x-h)^2 + k$                  |
| Circle          | $(x - h)^2 + (y - k)^2 = r^2$       |
| Ellipse         | $(x - h)^2/a^2 + (y - k)^2/b^2 = 1$ |
| Hyperbola1      | $(x - h)^2/a^2 - (y - k)^2/b^2 = 1$ |
| Hyperbola2      | $(y - k)^2/b^2 - (x - h)^2/a^2 = 1$ |
| Parabola1       | $y = a(x - h)^2 + k$                |
| Parabola2       | $(y - k)^2 = c(x - h)$              |
| Exponential1    | $y = b \cdot a^x + k$               |
| Exponential2    | $y = b \cdot e^{ax} + k$            |
| Logarithmic     | $y = b \cdot \ln(a(x - h)) + k$     |
| Power           | $y = a(x - h)^r + k$                |
| Sine            | $y = b \cdot \sin(a(x - h)) + k$    |
| Cosine          | $y = b \cdot \cos(a(x - h)) + k$    |

**Fig. 2**

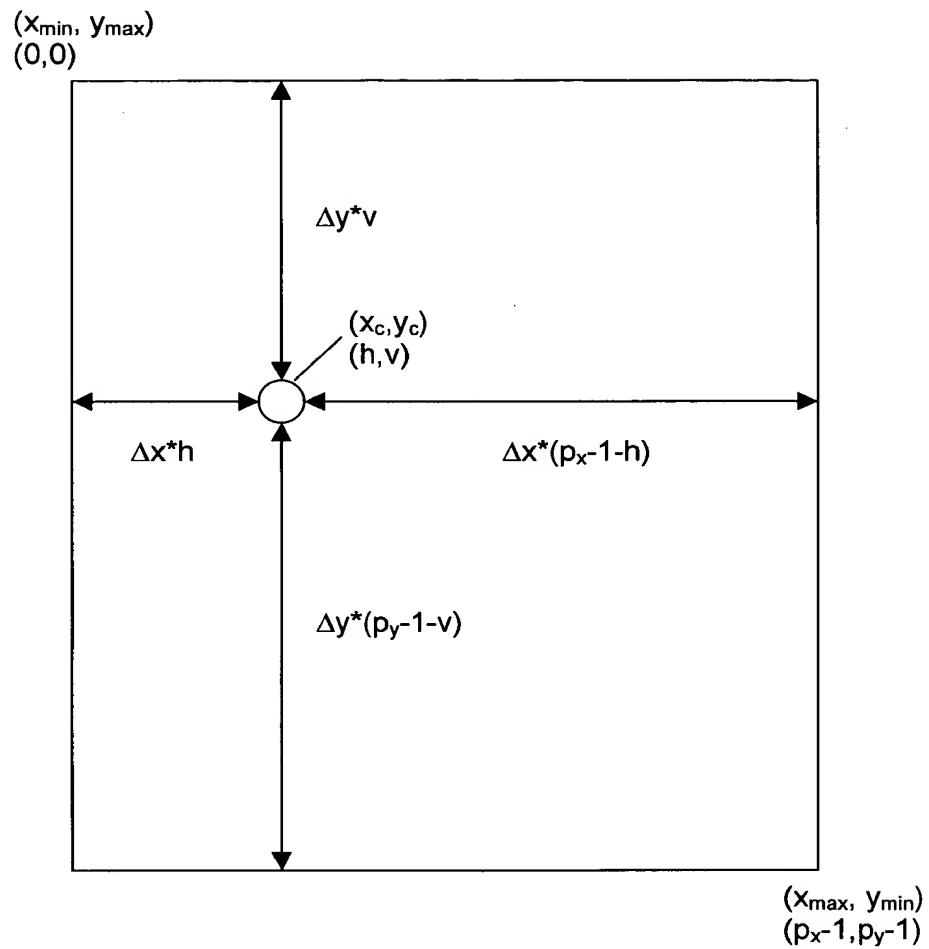


Fig. 3

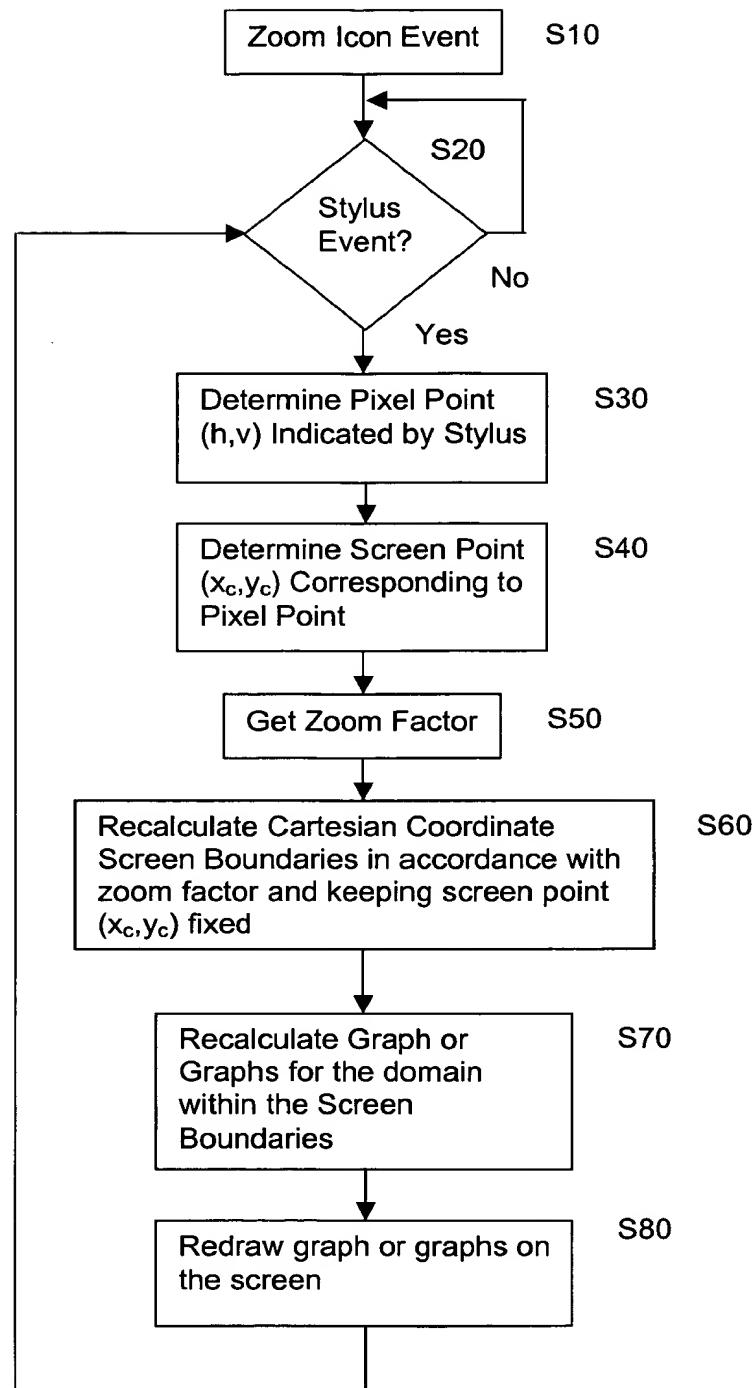


Fig. 4

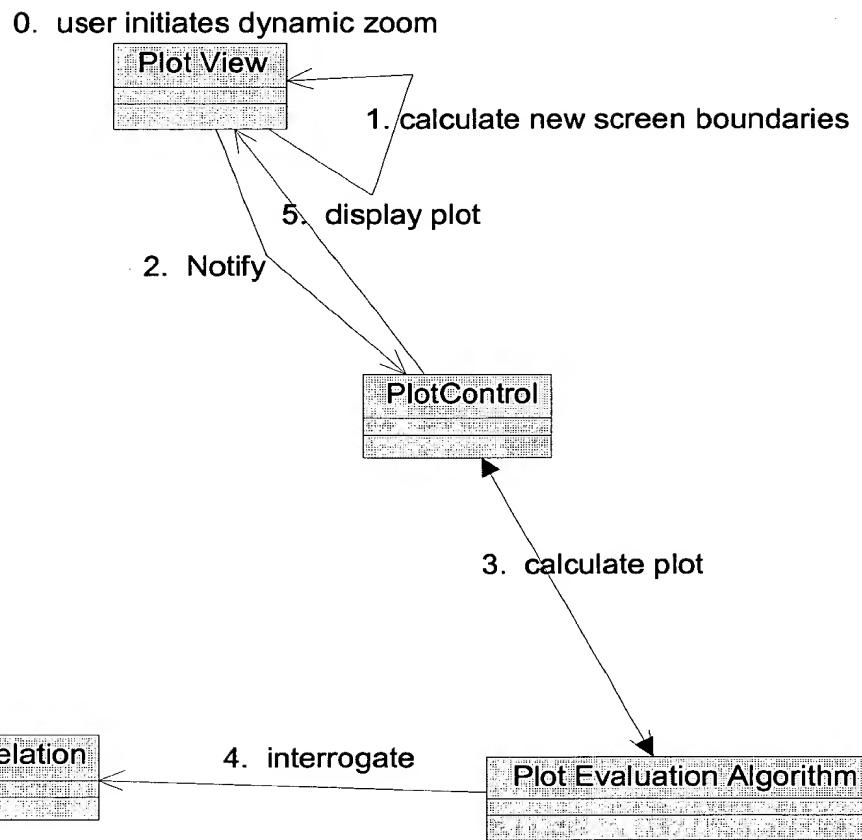


Fig. 5

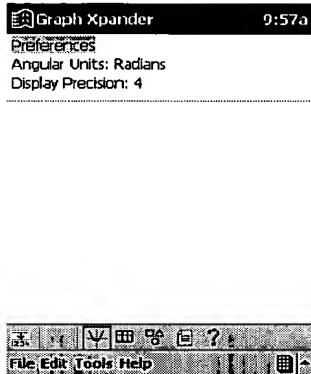


Fig. 6

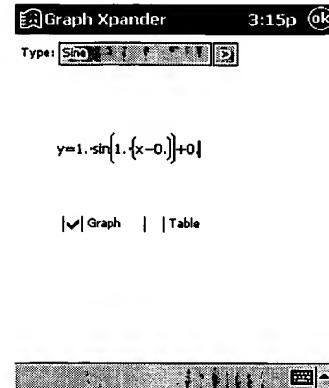
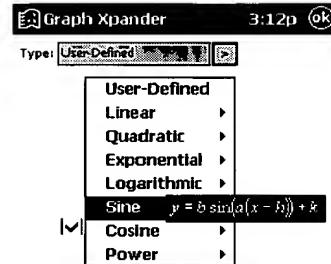


Fig. 8

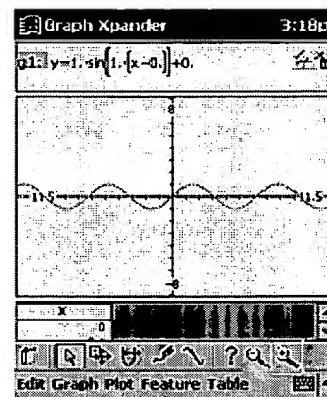


Fig. 9

